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Sheet 1

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known					
Application Number	10/666,292				
Filing Date	09/18/2003				
First Named Inventor	WARREN M. FARNWORTH				
Art Unit	2829				
Examiner Name	KOBERT, RUSSELL				
Attorney Docket Number	00_0311 1				

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Examiner C Initials*	Cite No.1	Document Number	MM-DD-YYYY	Applicant of Cited Document	Relevant Passages or Relevant
		Number-Kind Code ^{2 (8 known)}			
M	Α	^{US-} 6,708,399 B2	03-23-2004	Farnworth et al.	
pl	В	^{US-} 6,853,210 B1	02-08-2005	Farnworth et al.	
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		FORE	IGN PATENT DOCU	MENTS		
Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	-6
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Examiner Signature	Date Considered	9-23-05

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 'Applicant's unique citation designation number (optional). *See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. *Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). *For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. *Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. *Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449/PTO	Complete If Known		
	Application Number	10/666,292	
INFORMATION DISCLOSURE	Filing Date	09/18/2003	
	First Named Inventor	WARREN M. FARNWORTH	
STATEMENT BY APPLICANT	Art Unit	2829	
(Use as many sheets as necessary)	Examiner Name	R. Kobert	
Sheet 1 of 5	Attorney Docket Number	99-0311.3	

Examiner Initiate*	No.	Number-Kind Code ² (Finning	Publication Date MM-OD-YYYY	Name of Patentoe or Applicant of Cited Document	Relevant Pa	mns, Unes, Where issages or Relevant ires Appear
MZ	Α	^{US-} 4,937,653	06/26/1990	Blonder et al.		1
1	В	^{US-} 5,006,792	04/09/1991	Malhi		
	С	US- 5,046,239	09/10/1991	Miller et al.		1
	۵	US- 5,073,117	12/17/1991	Malhi et ai.		1
	E	^{US-} 5,137,461	08/11/1992	Bindra et al.		1.
	F	^{US-} 5,172,050	12/15/1992	Swapp		•
	G	US- 5,196,726	03/23/1993	Nishiguichi et al.		
	Н	US- 5,329,423	07/12/1994	Scholz		
	ı	^{US-} 5,341,564	08/30/1994	Akhavain et al.		
	J	US- 5,419,807	05/30/1995	Akram et al.		T
	K	^{US-} 5,420,520	05/30/1995	Anschel et al.		
	L.	^{US-} 5,478,779	12/26/1995	Akram		···
	М	^{US-} 5,481,205	01/02/1996	Frye et al.		
	N	US- 5,483,741	01/16/1996	Akram et al.		
	0	us- 5,500,605	03/19/1996	Chang	T	
	Р	^{US-} 5,519,332	05/21/1996	Wood et al.	1	1
	a	^{US-} 5,539,324	07/23/1996	Wood et al.	 	
	R	US- 5,541,525	07/30/1996	Wood et al.	1. \	1.
V	S	^{US-} 5,559,444	09/24/1996	Famworth et al.	1)

		FORE	GN PATENT DOCU	MENTS		
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Substitute for form 1448/PTO	Complete if Known				
	Application Number	10/666 292			
INFORMATION DISCLOSURE	Filing Date	09/18/2003			
	First Named Inventor	WARREN M. FARNWORTH			
STATEMENT BY APPLICANT	Art Unit	7829			
(Use as many sheats as necessary)	Examiner Name	Richert			
Sheet 2 of 5	Attorney Docket Number	99-0311.3			

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Examiner hillate*	No.	Document Number	Publication Date MM-00-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relovant Passages or Relovant
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RK	T	^{US-} 5,578,526	11/26/1996	Akram et al.)
i i	U	^{US-} 5,592,738	11/14/1997	Akram et al.	
	٧	us. 5,625,298	04/29/1997	Hirano et al.	
T	W	^{US-} 5,629,837	05/13/1997	Barabi et al.	
\top	X	^{U\$-} 5,663,654	09/02/1997	Wood et al.	
	Y	US- 5,686,317	11/11/1997	Akram et al	
	Z	US- 5,691,041	11/25/1997	Frankeny et al.	
	AA	US- 5,783,461	07/21/1998	Hembree	
	AB	US- 5,796,284	08/18/1998	Farnworth et al.	
7-	AC	US- 5,802,699	09/08/1998	Fjelstad et al.	
7	AD	US- 5,810,609	09/22/1998	Faraci et al.	
	AE	US- 5,815,000	09/29/1998	Famworth et al.	
	AF	US- 5,834,945	11/10/1998	Akram et al.	
1	AG	US- 5,787,485	03/09/1999	Wood et al.	
	AH	US- 5,900,674	05/04/1999	Wojnarowski et al.	
	Al	US- 5,931,685	08/03/1999	Hembree et al.	
	AJ	US- 5,962,921	10/05/1999	Farnworth et al.	
1	AK	US- 5,973,394	10/26/1999	Slocum et al.	
V	AL	US- 6,016,060	01/18/2000	Akram et al.	

		FOREIGN	PATENT DOCU	MENTS		$\neg \neg$
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Sheet 3

Attorney Docket Number

Examiner tritials'	No.1	Document Number Number-Kind Code ^{2 of Immed}	Publication Date MM-DQ-YYYY	Name of Patentae or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevan Figures Appear
RIL	AM	US- 6,040,702	03/21/2000	Hembree et al.)
1	AN	US-6,072,326	06/08/2000	Akram et al.	
\neg	AO	US- 6,086,386	07/11/2000	Fjelstad et al.	T
	AP	US- 6,091,252	07/18/2000	Akram et al.	
	AQ	^{US-} 6,107,109	08/22/2000	Akram et al.	
	AR	US-6,188,301 B1	02/13/2001	Komrumpf et al.	
	AS	US- 6,200,143 B1	03/13/2001	Haba et al.	
	AT	US-6,208,156 B1	03/27/2001	Hembree	
1	AU	US-6,208,157 B1	03/27/2001	Akram et al.	
1	AV	US- 6,222,280 B1	04/24/2001	Farnworth et al.	
	AW	US-6,232,243 B1	05/15/2001	Farnworth et al.	
	AX	US-6,242,932 B1	06/05/2001	Hembree	
1	AY	US- 6,294,837 B1	09/25/2001	Akram et al.	
	AZ	US-6,310,484 B1	10/30/2001	Akram et al.	
	BA	US-6,313,651 B1	11/06/2001	Hembree et al.	
	ВВ	US-6,314,641 B1	11/13/2001	Akram	
	BC	US-6,329,829 B1	12/11/2001	Famworth et al.	
1.	BD	^{US-} 6,333,555 B1	12/25/2001	Famworth et al.	
V	BE	US- 6,337,577 B1	01/08/2002	Doherty et al.	1

		FOREIG	N PATENT DOCU	MENTS		
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT					First Named Inventor WARREN M. FARNWORTH		\dashv			
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Complete if Known Substitute for form 1449/PTO **Application Number** 666 0 INFORMATION DISCLOSURE Filing Date 09/18/2003 STATEMENT BY APPLICANT First Named Inventor WARREN M. FARNWORTH Art Unit 2829 (Use as many sheets as necessary) **Examiner Name** Sheet 5 **Attorney Docket Number** of | 5 99-0311.3 **NON PATENT LITERATURE DOCUMENTS** Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of Cite No. Examiner Initials* the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. Re Information displayed at Chip Con 1997-1998, 4 sheets, on GE CRD Floating Point Technology, month unavailable.

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Examiner Signature	Date Considered	12-30-04

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1 Applicant's unique citation designation number (optionals). 2 Applicant is to piace a check mark here if English language Translation is estached.

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